

Claims

1. Winder with a contacting roller (10), which can be placed against the periphery of a reel (14), characterized in that the contacting roller (10) is divided at least in two roller segments (46; 34), of which at least one (34) has an engaging mechanism (38, 40), with which it can be engaged and disengaged independently of a different roller segment (46).

2. The winder of claim 1, characterized in that the contacting roller (10) can be shifted axially relatively to the reel (14).

3. The winder of claims 1 or 2, characterized by at least one slice-cutting knife (62), which is divided into at least two knife segments (94; 95), of which at least one can be displaced independently of the other.

4. The winder of claims 2 and 3, characterized in that the divided slice-cutting knife (62) can be shifted axially relatively to the reel (14) jointly with the divided contacting roller (10).

5. The winder of one of the claims 3 or 4, characterized in that the slice-cutting knife (62) and the contacting roller (10) are divided at the same axial position.

6. The winder of one of the preceding claims, characterized in

that a main roller segment (46) and at least one subsidiary roller segment (34) of the contacting roller (10), having a contacting mechanism (38, 40) are disposed at an oscillating link (26),

that each subsidiary roller segment (34) can be shifted with its contacting mechanism (38, 40) independently of the other roller segments (34; 46) into a first and a second position, for which the subsidiary roller segment (34), in the first position, is aligned axially with the main roller segment (46) and, in the second position, is removed further than the main roller segment (46) from the reel (14) and

that, depending on the positions of the contacting mechanisms (38, 40) of the subsidiary roller segments (34), the main roller segment (46) or the main roller segment (46) and at least one of the subsidiary roller segments (34) can be placed suddenly against the reel (14) or a core (13) of a reel (14).

7. The winder of claim 6, characterized in that the main roller segment (46) or the main roller segment (46) and at least one of the subsidiary roller segments (34) can be placed suddenly, through pivoting of the oscillating link (26) by means of a pneumatic cylinder (52), against the reel (14) or a core (13) of a reel (14).

8. The winder of claim 7 and one of the claims 3 to 5, characterized in that the at least one divided slice-cutting knife (62) is disposed in such a manner with respect to the contacting roller (10), so that a sheet (12), which is passed between the contacting roller (10) and a core (72) of the second reel (75) and wound on a first reel (14) and, by the sudden placement of at least one main roller segment (46) against the core (72) of the second reel (75), is clamped between the engaged roller segments (46; 34) and the core (72), can be severed by a simultaneous displacement of the appropriate knife segments (94, 95) at a place between the core (72) of the second reel (75) and the first reel (14).

9. The winder of claim 8, characterized in that, if the axes of the core (72) of the second reel (75) and of the divided contacting roller (10) are disposed in an essentially horizontal plane, the sheet (12) can be supplied by means of suitably disposed turn-around rollers (58, 60) from above as well as from below the gap

between the divided contacting roller (10) and the core (72) of the second reel (75) and a divided slice-cutting knife (62) is disposed above as well as below the divided contacting roller (10)

10. The winder of claim 2 and one of the claims 6 to 9, characterized in that the oscillating link (26) with the roller segments (46; 34) and, if present, the knife segments (94; 95) can be adjusted jointly and axially relative to the reel (14; 72) by a distance of at least half of the axial extend of a subsidiary roller segment (34).